

Xu Wang

List of Publications by Year in descending order

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107
papers

6,579
citations

81900

39
h-index

71685

76
g-index

108
all docs

108
docs citations

108
times ranked

10213
citing authors

#	ARTICLE	IF	CITATIONS
1	NAD ⁺ repletion improves mitochondrial and stem cell function and enhances life span in mice. <i>Science</i> , 2016, 352, 1436-1443.	12.6	907
2	Tetracyclines Disturb Mitochondrial Function across Eukaryotic Models: A Call for Caution in Biomedical Research. <i>Cell Reports</i> , 2015, 10, 1681-1691.	6.4	385
3	Eliciting the mitochondrial unfolded protein response by nicotinamide adenine dinucleotide repletion reverses fatty liver disease in mice. <i>Hepatology</i> , 2016, 63, 1190-1204.	7.3	289
4	Oxidative stress-mediated cytotoxicity and metabolism of T-2 toxin and deoxynivalenol in animals and humans: an update. <i>Archives of Toxicology</i> , 2014, 88, 1309-1326.	4.2	220
5	Enhanced Respiratory Chain Supercomplex Formation in Response to Exercise in Human Skeletal Muscle. <i>Cell Metabolism</i> , 2017, 25, 301-311.	16.2	213
6	Analysis of Mitochondrial Respiratory Chain Supercomplexes Using Blue Native Polyacrylamide Gel Electrophoresis (BN-PAGE). <i>Current Protocols in Mouse Biology</i> , 2016, 6, 1-14.	1.2	212
7	NAD ⁺ repletion improves muscle function in muscular dystrophy and counters global PARylation. <i>Science Translational Medicine</i> , 2016, 8, 361ra139.	12.4	208
8	Synthetic phenolic antioxidants: Metabolism, hazards and mechanism of action. <i>Food Chemistry</i> , 2021, 353, 129488.	8.2	184
9	JNK signaling in cancer cell survival. <i>Medicinal Research Reviews</i> , 2019, 39, 2082-2104.	10.5	182
10	Permethrin-induced oxidative stress and toxicity and metabolism. A review. <i>Environmental Research</i> , 2016, 149, 86-104.	7.5	180
11	The role of hypoxia-inducible factor 1 in tumor immune evasion. <i>Medicinal Research Reviews</i> , 2021, 41, 1622-1643.	10.5	157
12	Deltamethrin toxicity: A review of oxidative stress and metabolism. <i>Environmental Research</i> , 2019, 170, 260-281.	7.5	128
13	Metabolism and toxicity of arsenicals in mammals. <i>Environmental Toxicology and Pharmacology</i> , 2016, 48, 214-224.	4.0	124
14	JAK/STAT Pathway Plays a Critical Role in the Proinflammatory Gene Expression and Apoptosis of RAW264.7 Cells Induced by Trichothecenes as DON and T-2 Toxin. <i>Toxicological Sciences</i> , 2012, 127, 412-424.	3.1	108
15	Antibiotic use and abuse: A threat to mitochondria and chloroplasts with impact on research, health, and environment. <i>BioEssays</i> , 2015, 37, 1045-1053.	2.5	108
16	Generation of selenium-enriched rice with enhanced grain yield, selenium content and bioavailability through fertilisation with selenite. <i>Food Chemistry</i> , 2013, 141, 2385-2393.	8.2	107
17	A large-scale protein phosphorylation analysis reveals novel phosphorylation motifs and phosphoregulatory networks in Arabidopsis. <i>Journal of Proteomics</i> , 2013, 78, 486-498.	2.4	103
18	Antimicrobial Drugs in Fighting against Antimicrobial Resistance. <i>Frontiers in Microbiology</i> , 2016, 7, 470.	3.5	100

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19	Proteomics analysis reveals multiple regulatory mechanisms in response to selenium in rice. <i>Journal of Proteomics</i> , 2012, 75, 1849-1866.	2.4	99
20	Selective inhibitors for JNK signalling: a potential targeted therapy in cancer. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020, 35, 574-583.	5.2	96
21	Mechanism of cyclosporine A nephrotoxicity: Oxidative stress, autophagy, and signalings. <i>Food and Chemical Toxicology</i> , 2018, 118, 889-907.	3.6	94
22	Trichothecenes: immunomodulatory effects, mechanisms, and anti-cancer potential. <i>Archives of Toxicology</i> , 2017, 91, 3737-3785.	4.2	91
23	Statins: Adverse reactions, oxidative stress and metabolic interactions. , 2019, 195, 54-84.		87
24	Fumonisin: oxidative stress-mediated toxicity and metabolism in vivo and in vitro. <i>Archives of Toxicology</i> , 2016, 90, 81-101.	4.2	83
25	Polyethylene glycol fractionation improved detection of low-abundant proteins by two-dimensional electrophoresis analysis of plant proteome. <i>Phytochemistry</i> , 2006, 67, 2341-2348.	2.9	76
26	SUMOylation-Dependent LRH-1/PROX1 Interaction Promotes Atherosclerosis by Decreasing Hepatic Reverse Cholesterol Transport. <i>Cell Metabolism</i> , 2014, 20, 603-613.	16.2	73
27	A Comprehensive Differential Proteomic Study of Nitrate Deprivation in <i>Arabidopsis</i> Reveals Complex Regulatory Networks of Plant Nitrogen Responses. <i>Journal of Proteome Research</i> , 2012, 11, 2301-2315.	3.7	71
28	Qualitative screening of veterinary anti-microbial agents in tissues, milk, and eggs of food-producing animals using liquid chromatography coupled with tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1017-1018, 82-88.	2.3	69
29	Antioxidant agents against trichothecenes: new hints for oxidative stress treatment. <i>Oncotarget</i> , 2017, 8, 110708-110726.	1.8	58
30	LRH-1-dependent programming of mitochondrial glutamine processing drives liver cancer. <i>Genes and Development</i> , 2016, 30, 1255-1260.	5.9	56
31	Macrophage NCOR1 protects from atherosclerosis by repressing a pro-atherogenic PPAR γ signature. <i>European Heart Journal</i> , 2020, 41, 995-1005.	2.2	56
32	Systematic and Molecular Basis of the Antibacterial Action of Quinoxaline 1,4-Di-N-Oxides against <i>Escherichia coli</i> . <i>PLoS ONE</i> , 2015, 10, e0136450.	2.5	55
33	Deoxidation Rates Play a Critical Role in DNA Damage Mediated by Important Synthetic Drugs, Quinoxaline 1,4-Dioxides. <i>Chemical Research in Toxicology</i> , 2015, 28, 470-481.	3.3	52
34	An update on T-2 toxin and its modified forms: metabolism, immunotoxicity mechanism, and human exposure assessment. <i>Archives of Toxicology</i> , 2020, 94, 3645-3669.	4.2	50
35	Impaired SUMOylation of nuclear receptor LRH-1 promotes nonalcoholic fatty liver disease. <i>Journal of Clinical Investigation</i> , 2017, 127, 583-592.	8.2	50
36	Mitochondria as an important target of metformin: The mechanism of action, toxic and side effects, and new therapeutic applications. <i>Pharmacological Research</i> , 2022, 177, 106114.	7.1	48

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37	Systems Phytohormone Responses to Mitochondrial Proteotoxic Stress. <i>Molecular Cell</i> , 2017, 68, 540-551.e5.	9.7	47
38	An Integrated Systems Genetics and Omics Toolkit to Probe Gene Function. <i>Cell Systems</i> , 2018, 6, 90-102.e4.	6.2	47
39	Bacterial Multidrug Efflux Pumps at the Frontline of Antimicrobial Resistance: An Overview. <i>Antibiotics</i> , 2022, 11, 520.	3.7	47
40	Phosphorylation of the nuclear receptor corepressor 1 by protein kinase B switches its corepressor targets in the liver in mice. <i>Hepatology</i> , 2015, 62, 1606-1618.	7.3	46
41	Nitric oxide (NO)-mediated mitochondrial damage plays a critical role in T-2 toxin-induced apoptosis and growth hormone deficiency in rat anterior pituitary GH3 cells. <i>Food and Chemical Toxicology</i> , 2017, 102, 11-23.	3.6	45
42	A method to identify and validate mitochondrial modulators using mammalian cells and the worm <i>C. elegans</i> . <i>Scientific Reports</i> , 2014, 4, 5285.	3.3	42
43	Hypoxia, oxidative stress, and immune evasion: a trinity of the trichothecenes T-2 toxin and deoxynivalenol (DON). <i>Archives of Toxicology</i> , 2021, 95, 1899-1915.	4.2	42
44	The neurotoxicity of trichothecenes T-2 toxin and deoxynivalenol (DON): Current status and future perspectives. <i>Food and Chemical Toxicology</i> , 2020, 145, 111676.	3.6	41
45	A novel strategy for the diagnosis, prognosis, treatment, and chemoresistance of hepatocellular carcinoma: DNA methylation. <i>Medicinal Research Reviews</i> , 2020, 40, 1973-2018.	10.5	40
46	Sodium Butyrate Protects the Intestinal Barrier by Modulating Intestinal Host Defense Peptide Expression and Gut Microbiota after a Challenge with Deoxynivalenol in Weaned Piglets. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 4515-4527.	5.2	40
47	Crosstalk of JNK1-STAT3 is critical for RAW264.7 cell survival. <i>Cellular Signalling</i> , 2014, 26, 2951-2960.	3.6	38
48	Toxic metabolites, MAPK and Nrf2/Keap1 signaling pathways involved in oxidative toxicity in mice liver after chronic exposure to Mequindox. <i>Scientific Reports</i> , 2017, 7, 41854.	3.3	36
49	Integrated Transcriptional and Proteomic Analysis of Growth Hormone Suppression Mediated by Trichothecene T-2 Toxin in Rat GH3 Cells. <i>Toxicological Sciences</i> , 2015, 147, 326-338.	3.1	34
50	Oxidative Stress and Metabolism: A Mechanistic Insight for Glyphosate Toxicology. <i>Annual Review of Pharmacology and Toxicology</i> , 2022, 62, 617-639.	9.4	34
51	Two generation reproduction and teratogenicity studies of feeding quinocetone fed to Wistar rats. <i>Food and Chemical Toxicology</i> , 2012, 50, 1600-1609.	3.6	33
52	<i>Acinetobacter pittii</i> , an emerging new multi-drug resistant fish pathogen isolated from diseased blunt snout bream (<i>Megalobrama amblycephala</i> Yih) in China. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 6459-6471.	3.6	33
53	PKA/CREB and NF- κ B pathway regulates AKNA transcription: A novel insight into T-2 toxin-induced inflammation and GH deficiency in GH3 cells. <i>Toxicology</i> , 2017, 392, 81-95.	4.2	31
54	Metabolic disposition and excretion of quinocetone in rats, pigs, broilers, and carp. <i>Food and Chemical Toxicology</i> , 2014, 69, 109-119.	3.6	29

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55	Preparation of a monoclonal antibody against amantadine and rimantadine and development of an indirect competitive enzyme-linked immunosorbent assay for detecting the same in chicken muscle and liver. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 133, 56-63.	2.8	28
56	DNA methylation is involved in pro-inflammatory cytokines expression in T-2 toxin-induced liver injury. <i>Food and Chemical Toxicology</i> , 2019, 132, 110661.	3.6	27
57	Comparative Proteomics Analysis of Selenium Responses in Selenium-Enriched Rice Grains. <i>Journal of Proteome Research</i> , 2013, 12, 808-820.	3.7	26
58	High Risk of Embryo-Fetal Toxicity: Placental Transfer of T-2 Toxin and Its Major Metabolite HT-2 Toxin in BeWo Cells. <i>Toxicological Sciences</i> , 2014, 137, 168-178.	3.1	26
59	The role of long noncoding RNA in lipid, cholesterol, and glucose metabolism and treatment of obesity syndrome. <i>Medicinal Research Reviews</i> , 2021, 41, 1751-1774.	10.5	26
60	Neonicotinoids: mechanisms of systemic toxicity based on oxidative stress-mitochondrial damage. <i>Archives of Toxicology</i> , 2022, 96, 1493-1520.	4.2	25
61	Toxicity induced by ciprofloxacin and enrofloxacin: oxidative stress and metabolism. <i>Critical Reviews in Toxicology</i> , 2021, 51, 754-787.	3.9	24
62	Mechanisms of Antibacterial Action of Quinoxaline 1,4-di-N-oxides against <i>Clostridium perfringens</i> and <i>Brachyspira hyodysenteriae</i> . <i>Frontiers in Microbiology</i> , 2016, 7, 1948.	3.5	23
63	Immune Evasion, a Potential Mechanism of Trichothecenes: New Insights into Negative Immune Regulations. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3307.	4.1	23
64	The Gene-Regulatory Footprint of Aging Highlights Conserved Central Regulators. <i>Cell Reports</i> , 2020, 32, 108203.	6.4	23
65	Metabolism and Mechanism of Human Cytochrome P450 Enzyme 1A2. <i>Current Drug Metabolism</i> , 2021, 22, 40-49.	1.2	23
66	Hypothesis: JNK signaling is a therapeutic target of neurodegenerative diseases. <i>Alzheimer's and Dementia</i> , 2022, 18, 152-158.	0.8	22
67	Proteomic Analysis of Interactions Between the Generalist Herbivore <i>Spodoptera exigua</i> (Lepidoptera:) Tj ETQq1 1 0.784314 rrgBT /Ov 1.8 29	0.784314	29
68	Genomic and proteomic analysis of the inhibition of synthesis and secretion of aldosterone hormone induced by quinocetone in NCI-H295R cells. <i>Toxicology</i> , 2016, 350-352, 1-14.	4.2	21
69	An unbiased silencing screen in muscle cells identifies miR-320a, miR-150, miR-196b, and miR-34c as regulators of skeletal muscle mitochondrial metabolism. <i>Molecular Metabolism</i> , 2017, 6, 1429-1442.	6.5	21
70	Toxic metabolites, Sertoli cells and Y chromosome related genes are potentially linked to the reproductive toxicity induced by mequindox. <i>Oncotarget</i> , 2017, 8, 87512-87528.	1.8	21
71	Pyrrrolidine Dithiocarbamate (PDTC) Inhibits DON-Induced Mitochondrial Dysfunction and Apoptosis via the NF- κ B/iNOS Pathway. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-8.	4.0	21
72	MicroRNA-382 silencing induces a mitonuclear protein imbalance and activates the mitochondrial unfolded protein response in muscle cells. <i>Journal of Cellular Physiology</i> , 2019, 234, 6601-6610.	4.1	19

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73	DNA methylation and RASSF4 expression are involved in T-2 toxin-induced hepatotoxicity. <i>Toxicology</i> , 2019, 425, 152246.	4.2	18
74	Multiclass method for the quantification of 92 veterinary antimicrobial drugs in livestock excreta, wastewater, and surface water by liquid chromatography with tandem mass spectrometry. <i>Journal of Separation Science</i> , 2016, 39, 4086-4095.	2.5	17
75	The mitogen-activated protein kinase kinase 9 (MKK9) modulates nitrogen acquisition and anthocyanin accumulation under nitrogen-limiting condition in <i>Arabidopsis</i> . <i>Biochemical and Biophysical Research Communications</i> , 2017, 487, 539-544.	2.1	17
76	A Review: Effects of Macrolides on CYP450 Enzymes. <i>Current Drug Metabolism</i> , 2020, 21, 928-937.	1.2	17
77	Isolation, identification and characterisation of an emerging fish pathogen, <i>Acinetobacter pittii</i> , from diseased loach (<i>Misgurnus anguillicaudatus</i>) in China. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 21-32.	1.7	16
78	Toxic mechanisms of the trichothecenes T-2 toxin and deoxynivalenol on protein synthesis. <i>Food and Chemical Toxicology</i> , 2022, 164, 113044.	3.6	14
79	PPAR- δ with its anti-fibrotic action could serve as an effective therapeutic target in T-2 toxin-induced cardiac fibrosis of rats. <i>Food and Chemical Toxicology</i> , 2021, 152, 112183.	3.6	12
80	Simultaneous Determination of Quinoxalines in Animal Feeds by a Modified QuEChERS Method with MWCNTs as the Sorbent Followed by High-Performance Liquid Chromatography. <i>Food Analytical Methods</i> , 2017, 10, 2085-2091.	2.6	11
81	Mequindox Induced Genotoxicity and Carcinogenicity in Mice. <i>Frontiers in Pharmacology</i> , 2018, 9, 361.	3.5	11
82	MiR-155-5p plays as a "Janus" in the expression of inflammatory cytokines induced by T-2 toxin. <i>Food and Chemical Toxicology</i> , 2020, 140, 111258.	3.6	11
83	Maternal SSRIs experience and risk of ASD in offspring: a review. <i>Toxicology Research</i> , 2018, 7, 1020-1028.	2.1	10
84	Determination of Tartrazine, Lutein, Capsanthin, Canthaxanthin and β -Carotene in Animal-Derived Foods and Feeds by HPLC Method. <i>Journal of Chromatographic Science</i> , 2019, 57, 462-468.	1.4	10
85	A multilayered cross-species analysis of GRAS transcription factors uncovered their functional networks in plant adaptation to the environment. <i>Journal of Advanced Research</i> , 2021, 29, 191-205.	9.5	10
86	A proposed "steric-like effect" for the slowdown of enrofloxacin antibiotic metabolism by ciprofloxacin, and its mechanism. <i>Chemosphere</i> , 2021, 284, 131347.	8.2	10
87	Deoxynivalenol Inhibits Porcine Intestinal Trefoil Factors Expression in Weanling Piglets and IPEC-J2 Cells. <i>Toxins</i> , 2019, 11, 670.	3.4	9
88	Antimony symplastic and apoplastic absorption, compartmentation, and xylem translocation in <i>Brassica parachinensis</i> L. under antimonate and antimonite. <i>Ecotoxicology and Environmental Safety</i> , 2020, 197, 110621.	6.0	9
89	Acute and sub-chronic toxicity study of diaveridine in Wistar rats. <i>Regulatory Toxicology and Pharmacology</i> , 2015, 73, 232-240.	2.7	8
90	Microbiological toxicity of tilmicosin on human colonic microflora in chemostats. <i>Regulatory Toxicology and Pharmacology</i> , 2015, 73, 201-208.	2.7	8

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91	Targeting peroxisome proliferator-activated receptors: A new strategy for the treatment of cardiac fibrosis. , 2021, 219, 107702.		8
92	Molecular Characterization and Biological Function of a Novel LncRNA CRNG in Swine. <i>Frontiers in Pharmacology</i> , 2019, 10, 539.	3.5	7
93	Development of a Sensitive Monoclonal Antibody-Based Indirect Competitive Enzyme-Linked Immunosorbent Assay for the Determination of Monensin in Edible Chicken Tissues. <i>Food Analytical Methods</i> , 2019, 12, 1479-1486.	2.6	6
94	Epigenetic upregulation of galanin-like peptide mediates deoxynivalenol induced-growth inhibition in pituitary cells. <i>Toxicology and Applied Pharmacology</i> , 2020, 403, 115166.	2.8	6
95	Effect of Tulathromycin on Colonization Resistance, Antimicrobial Resistance, and Virulence of Human Gut Microbiota in Chemostats. <i>Frontiers in Microbiology</i> , 2016, 7, 477.	3.5	5
96	Exploration of Clinical Breakpoint of Danofloxacin for <i>Glaesserella parasuis</i> in Plasma and in PELF. <i>Antibiotics</i> , 2021, 10, 808.	3.7	5
97	Hypothesis: Long non-coding RNA is a potential target of mycotoxins. <i>Food and Chemical Toxicology</i> , 2021, 155, 112397.	3.6	5
98	Nicotinamide N-methyltransferase protects against deoxynivalenol-induced growth inhibition by suppressing pro-inflammatory cytokine expression. <i>Food and Chemical Toxicology</i> , 2022, 163, 112969.	3.6	5
99	Interaction Between Florfenicol and Doxycycline Involving Cytochrome P450 3A in Goats (<i>Capra</i>) Tj ETQq1 1 0.784314 rgBT /Overlock	2.2	4
100	MS4A3-HSP27 target pathway reveals potential for haematopoietic disorder treatment in alimentary toxic aleukia. <i>Cell Biology and Toxicology</i> , 2021, , 1.	5.3	2
101	The paradoxical effects of progesterone on the eggshell quality of laying hens. <i>Journal of Structural Biology</i> , 2020, 209, 107430.	2.8	1
102	A Janus-face of the RASSF4 signal in cell fate. <i>Journal of Cellular Physiology</i> , 2022, 237, 466-479.	4.1	1
103	The NO-dependent caspase signaling pathway is a target of deoxynivalenol in growth inhibition in vitro. <i>Food and Chemical Toxicology</i> , 2021, 158, 112629.	3.6	1
104	Deoxynivalenol and its modified forms: key enzymes, inter-individual and interspecies differences in metabolism. <i>Drug Metabolism Reviews</i> , 2022, 54, 331-342.	3.6	1
105	Inside Cover Image, Volume 39, Issue 6. <i>Medicinal Research Reviews</i> , 2019, 39, ii.	10.5	0
106	Back Cover Image, Volume 41, Issue 3. <i>Medicinal Research Reviews</i> , 2021, 41, iv.	10.5	0
107	Magnetic solid-phase extraction based on carbon nanotubes for determination of sulfamethoxazole, acetyl sulfamethoxazole and aditoprim residues in edible swine tissues with liquid chromatography tandem mass spectrometry. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2021, 38, 1364-1375.	2.3	0